Claims

- 1. Method for immobilizing molecules on surfaces comprising the following process steps:
- application of a layer of a hydrophobic polymer to the surface,
- immobilization of molecules on a surface of the layer.
- 2. Method according to Claim 1, characterized in that the polymer is a polyimide and/or polystyrene.
- 3. Method according to Claim 1 or 2, characterized in that the polymer layer is applied to the surface only in previously defined regions.
- 4. Method according to one of the foregoing claims, characterized in that a positive or negative electric charge is imparted to the surface of the polymer layer, at least in sectional fashion, by plasma treatment.
- 5. Method according to one of the foregoing claims, characterized in that UV-reactive molecules are covalently immobilized by irradiation with UV light.
- 6. Method according to one of the foregoing claims, characterized in that the polymer layer is activated, at least in sectional fashion, in an oxygen plasma.
- 7. Method according to one of the foregoing claims, characterized in that a portion of the surface of the polymer layer is utilized for application with an integrated circuit (IC) or a microsystem.